

Vacant Parking Places System Using WAP Technologies

**A Thesis submitted to the Colleges of Arts and Science full
fulfillment of the requirements for the degree of**

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By

Ghassan Thabit Jebur

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Abstract

The aim of this study is to produce an applicable mobile prototype to address the Vacant Parking Places System using WAP Technologies. The prototype provides complete information about the existence of parking system to the customer. The users requirements of mobile parking reservation application and parking services management are elaborated and determents. The study overcomes the limitation of parks in almost every major city in the world. Furthermore, Increase number of private car in the roads. The prototype is evaluated in the term of usability testing. The survey includes 30 respondent and the foundation was (strong; 74.78%), of the respondent found that the system is strong regarding the term of usability. During the project development phases, Unified Modeling Language will be used to module the design.

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CHAPTER 1

INTRODUCTION

1.0 INTRODUCTION

According to Malaysian Ministry of Transportation 2007, the rate of vehicle registered in 1999 than in 2006, was increased 54.5% over 7 years (Idris, 2009). Therefore, many problems came up with all this increase which occurred in a short period, such as traffic congestion, parking space. In an attempt to overcome the traffic problems various measures have been taken, the solution can be addressed in many methods, this thesis will focuses on mobile parking system which is intelligent system use WAP technology on the way to help the government of Malaysia to solve the traffic problems.

1.1 BACKGROUND STUDY

Transport, one of the major urban systems gives rise to a varying degree of problems in many different cities. Malaysia being among the developing nations is no exception to such problems. When urban development takes place, infrastructure has to be provided adequately. The needs of efficient parking systems have to be at par with the development itself. Parking, for example, plays a similar role and it is indeed vital for every motorist (Wahab, 1989).

Since the mid-1990s, however, there have been various attempts in Kuala Lumpur to introduce a set of new traffic management policy measures such as park-and-ride, one-way streets and the introduction of bus lanes. An obvious

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